ATLANTA SMART CORRIDOR PROJECT SUMMARY

The Georgia Regional Transportation Authority (GRTA) is managing the Atlanta Smart Corridor Project (GDOT's project number: PI 0005768) which is an innovative approach to managing traffic and transit operations in the US 41/Cobb Parkway/Northside Parkway corridor from Howell Mill Road in the City of Atlanta to South Marietta Parkway in the City of Marietta.

The technologies to be implemented along the corridor are SCATS (Sydney Coordinated Adaptive Traffic System) adaptive traffic signal control, transit signal priority and presence detection. Adaptive traffic signal control is "smart" signal control that uses real time vehicle counts obtained from sensors (e.g., loop detectors or video detection cameras) at the system intersections to determine the most appropriate cycle time and optimized splits for every approach at all of the intersections within the system. The transit signal priority technology will provide an effective means of achieving a short-term, low-cost improvement in bus operations within the Atlanta Smart Corridor. Transit signal priority can be achieved through one of three methods—green extension, early green, or no action.

The major stakeholders in this project are the Georgia Department of Transportation (GDOT), GRTA, City of Atlanta, City of Marietta and Cobb County.

The design of these elements as well as the procurement and installation of SCATS adaptive control is provided by the Atlanta Smart Corridor Project sponsored through a federal grant obtained by GRTA.

The procurement and installation of transit signal priority, presence detection, and intersection upgrades will be provided by another project sponsored by GDOT - Traffic Signal Upgrades within GRTA Smart Corridor, with GDOT's project number PI 0007242. An award was made on March 21, 2008 to R. J. Haynie & Associates, Inc.

Atlanta Smart Corridor Project – Location Map